

Tropical Cyclone Track and Intensity Models (updated 2011/08/24 WFO RAH)

ID	Name/Description	Type	Early or Late	Parameters
A98E	NHC98 (Atlantic)	Statistical-dynamical	Early	Track
AEMN, AEMI	Ensemble mean of the NWS/Global Ensemble Forecast System (GEFS)	Multilayer global-dynamical	Late	Track, Intensity
AP(01-20)	NWS Global Ensemble Forecast System (GEFS) Ensemble Members	Multilayer global-dynamical	Late	Track, Intensity
BAMD	Beta and advection model (deep layer)	Single-layer trajectory	Early	Track
BAMM	Beta and advection model (medium layer)	Single-layer trajectory	Early	Track
BAMS	Beta and advection model (shallow layer)	Single-layer trajectory	Early	Track
CGUN	Corrected consensus version of GUNA	Corrected consensus	Early	Track
CLIP, CLP5	Climatology and Persistence model (CLIPER) 3 and 5 day forecasts	Statistical (baseline)	Early	Track
CMC, CMC1	Environment Canada Global Environmental Multiscale Model	Multilayer global-dynamical	Late	Track, Intensity
CEMN	Ensemble mean of the Environment Canada GEM model	Multilayer global-dynamical	Late	Track, Intensity
COAL, COAI, COTC, COTI	Navy COAMPS model	Multilayer regional-dynamical	Early	Track, Intensity
DRCL, DRCI	DeMaria Radii CLIPER model	Statistical (baseline)	Early	Track
DSF5	Decay-SHIFOR5 (Climatology and Persistence model)	Statistical (baseline)	Early	Intensity
DSHP	SHIPS with inland decay	Statistical-dynamical	Early	Intensity
EGRR, EGRI	UKMET with subjective quality control applied to the tracker	Multilayer global-dynamical	Late	Track, Intensity
EMX, EMXI	European Center for Medium-range Weather Forecasting (ECMWF) Model	Multilayer global-dynamical	Late	Track, Intensity
FSSE, FSSI	FSU Super-ensemble	Corrected consensus	Early	Track, Intensity
GFDL, GFDI	NWS/Geophysical Fluid Dynamics Laboratory (GFDL) model	Multilayer regional-dynamical	Late	Track, Intensity
GFDN, GFNI	Navy version of GFDL	Multilayer regional-dynamical	Late	Track, Intensity
GFS, GFS, GFSI, AVNO	NWS/Global Forecast System (GFS)	Multilayer global-dynamical	Late	Track, Intensity
GFTI	Previous cycle GFDL, uses the GFS vortex tracker	Multilayer regional-dynamical	Late	Track, Intensity
GHMI	Previous cycle GFDL, adjusted using a variable intensity offset correction	Interpolated-dynamical	Early	Track, Intensity
GUNA	Average of GFSI, UKMI, NGPI, and GFDI	Fixed consensus	Early	Track
HWRF, HWFI	NWS/Hurricane Weather Research and Forecasting Model (HWRF)	Multilayer regional-dynamical	Late	Track, Intensity
ICON	Average of LGEM, HWFI, GHMI, and DSHP	Consensus	Early	Intensity
IV15	Variable consensus of various Stream 1.5 models	Variable consensus	Early	Intensity
IVCN	Average of at least 2 of DSHP, LGEM, GHMI, HWFI, and GFNI	Variable consensus	Early	Intensity
LBAR	Limited area barotropic model	Single-layer regional dynamical	Early	Track
LGEM	Logistic Growth Equation Model	Statistical-dynamical	Early	Intensity
MRCL, MRCI	McAdie Radii CLIPER model	Statistical (baseline)	Early	Track
NGPS, NGPI, NGX, NGX1	Navy Operational Global Prediction System (NOGAPS)	Multilayer global-dynamical	Late	Track, Intensity
OFCL, OFCI or NHC	Official NHC forecast	Official NHC forecast	Early	Track, Intensity
OHPC	Official HPC forecast	Official HPC forecast	Early	Track
SHF5, SHIFOR5	Climatology and persistence model	Statistical (baseline)	Early	Intensity
SHIP	Statistical Hurricane Intensity Prediction Scheme (SHIPS)	Statistical-dynamical	Early	Intensity
TCCN	Corrected consensus of TCOE	Corrected consensus	Early	Track
TCOA	Average of GFSI, UKMI, GFDI and HWFI	Fixed consensus	Early	Track
TCOE	Average of GFSI, UKMI, NGPI, GFDI and HWFI	Fixed consensus	Early	Track
TCON	Average of GHMI, UKMI, NGPI, HWFI, and GFSI	Consensus	Early	Track
TVCA	Average of at least 2 of GFSI, UKMI, GFDI, HWFI, GFNI, and EMXI	Variable consensus	Early	Track
TVCE	Average of at least 2 of GFSI, UKMI, NGPI, GFDI, HWFI, GFNI, and EMXI	Variable consensus	Early	Track
TVCC	Corrected consensus of TVCE	Corrected consensus	Early	Track
TVCN	Average of at least 2 of GHMI, UKMI, NGPI, HWFI, GFSI, EMXI	Consensus	Early	Track
UKM or UKMO, UKMI	United Kingdom Met Office model, automated tracker (UKMET)	Multilayer global-dynamical	Late	Track, Intensity
XTRP	Extrapolation	Extrapolation	Late	Track, Intensity

Real Time Plots of Tropical Cyclone Model Output

[Tropical Cyclone Guidance Project](#)
[Florida State Tropical Cyclone Forecast Model Output](#)
[South Florida Water Management District Tropical Cyclone Track Page](#)
[Penn State Tropical Cyclone Model Generation Page](#)
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